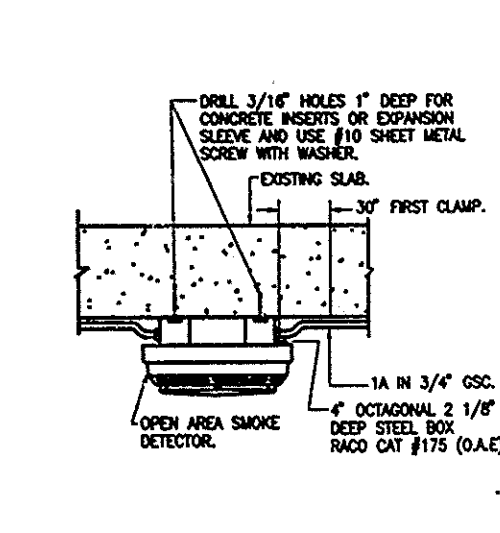
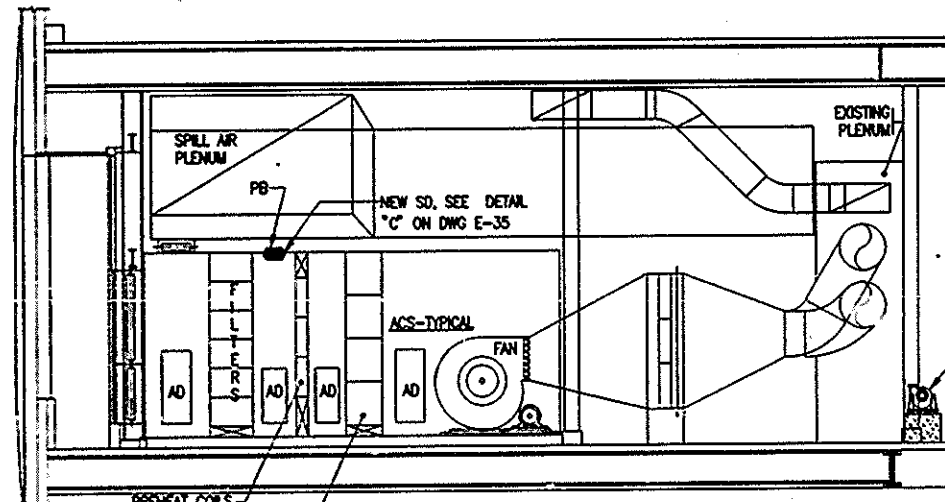
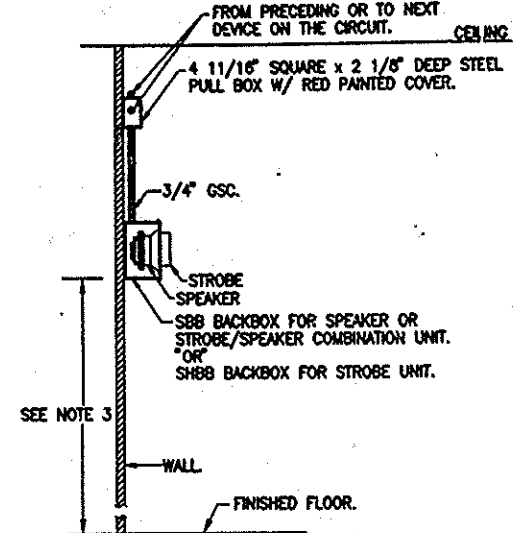


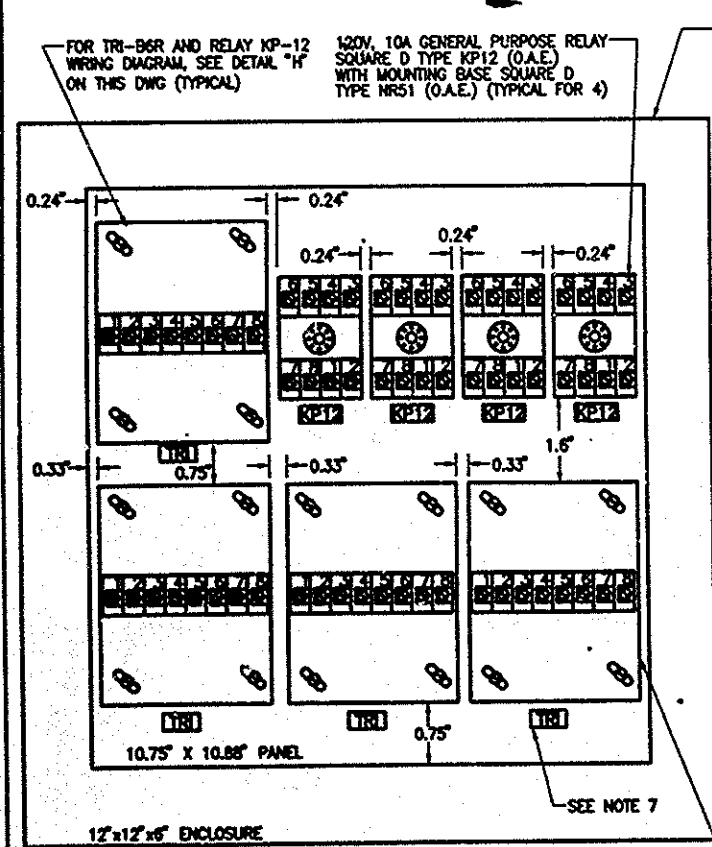
**SMOKE DETECTOR INSTALLATION  
DETAIL "A" (FOR OPEN CEILING)**



**TYPICAL WALL MOUNTED STROBE, SPEAKER,  
STROBE/SPEAKER INSTALLATION DETAIL "B"**

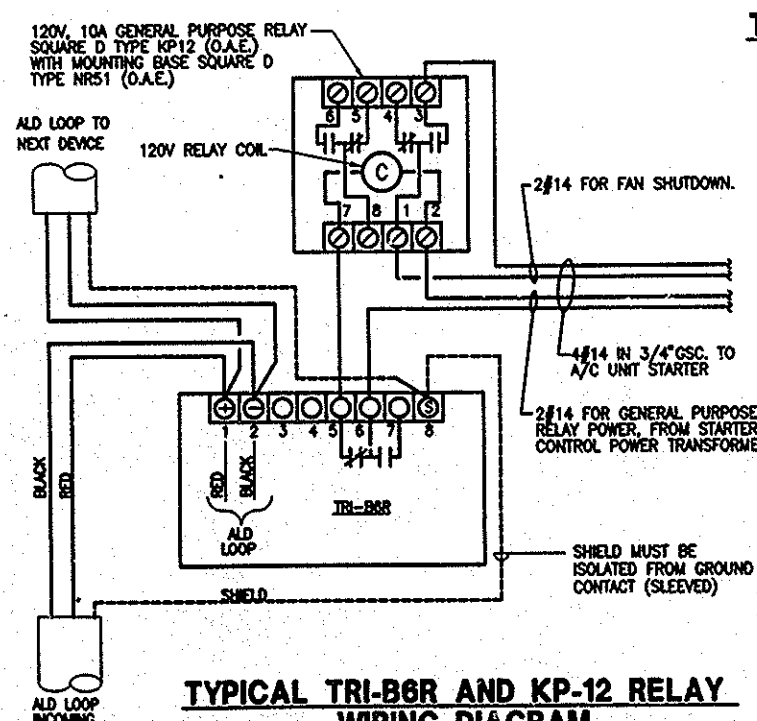


**LOCATION OF ACS AREA SMOKE  
DETECTOR TYPICAL DETAIL "C"**



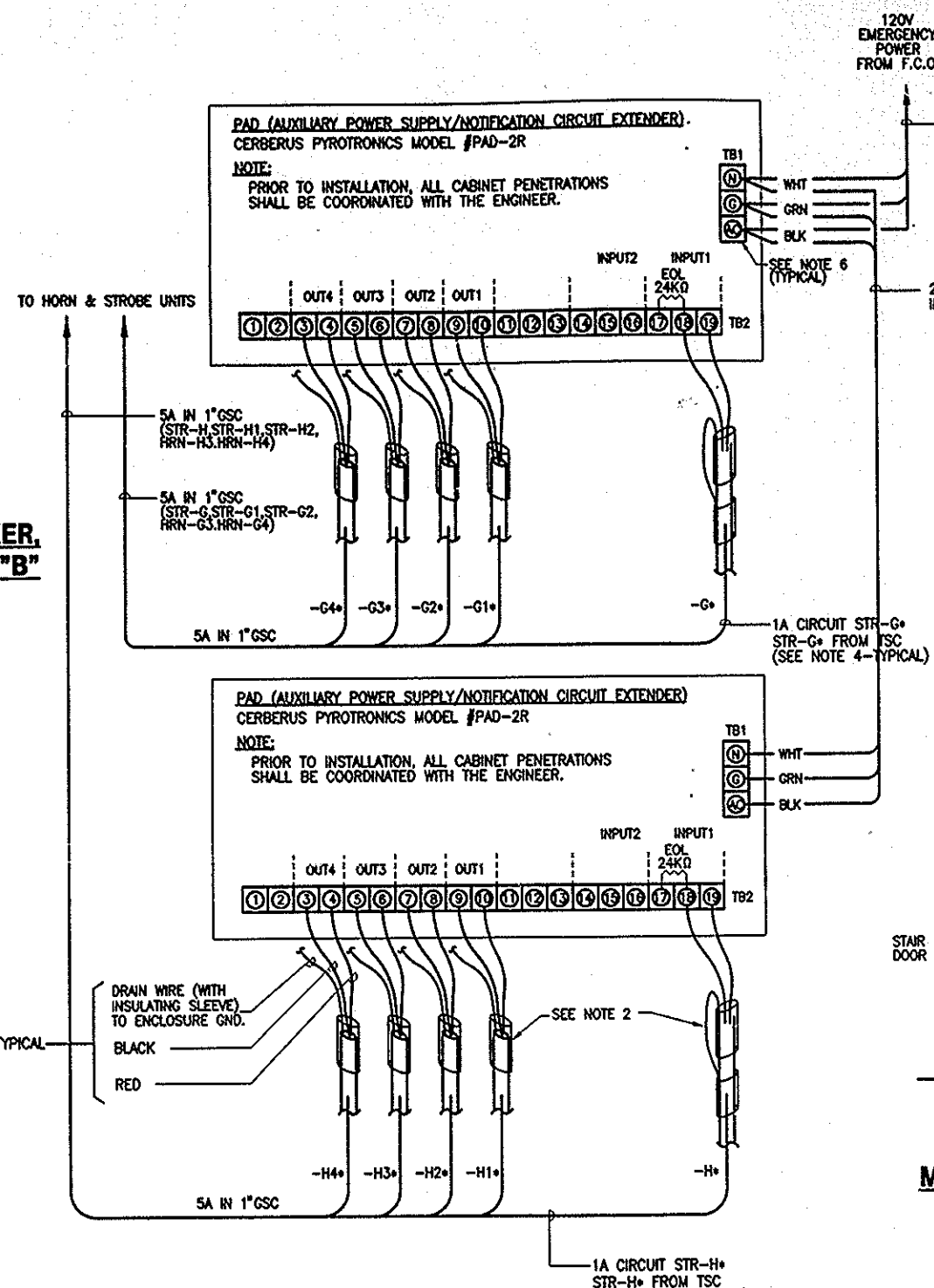
**TRI-B6R AND KP-12 RELAYS  
MOUNTING DETAIL "G"**

PIROTRONICS TRI-B6R  
INTERFACE MODULE  
NO SUBSTITUTIONS  
(TYPICAL FOR 4)

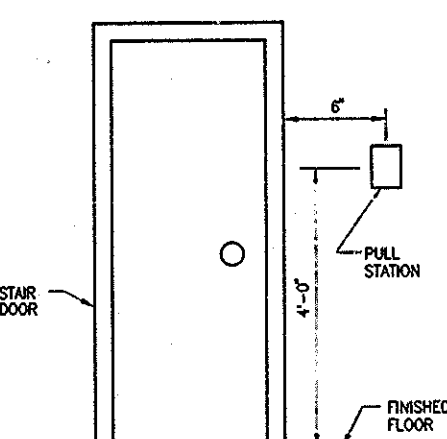


**TYPICAL TRI-B6R AND KP-12 RELAY  
WIRING DIAGRAM DETAIL "H"**

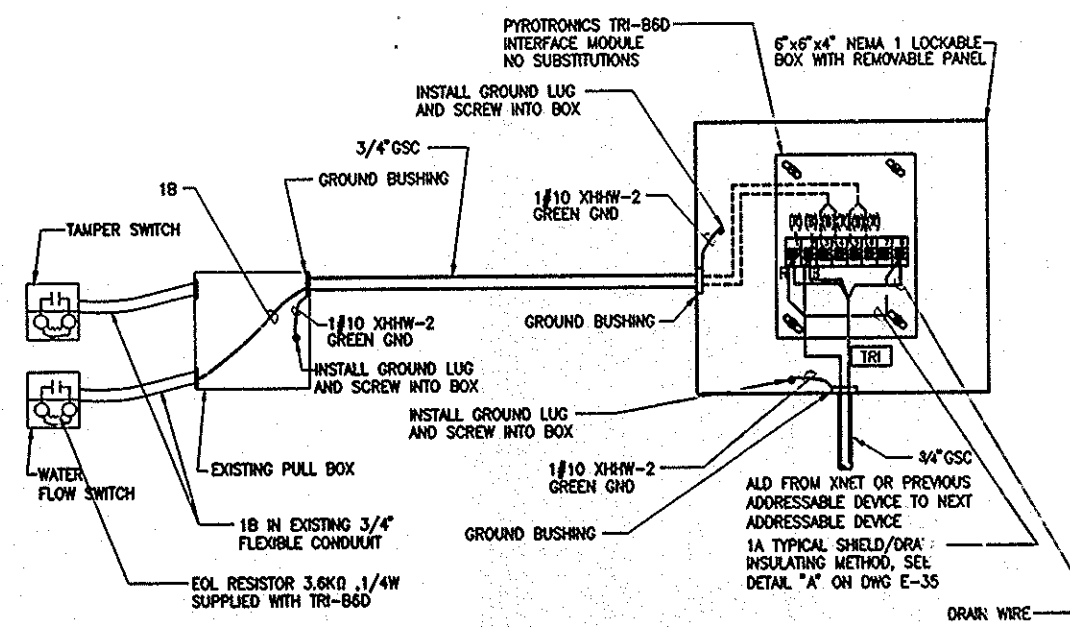
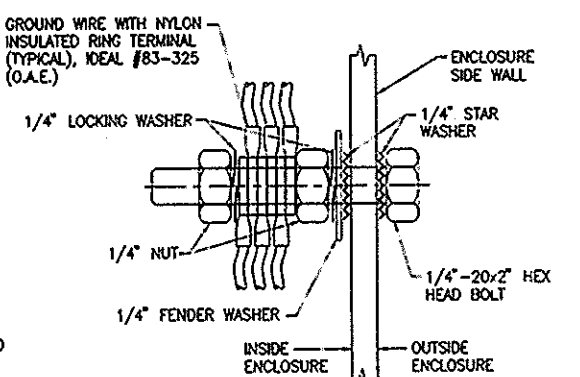
**TYPICAL PAD WIRING DIAGRAM  
DETAIL "D"**



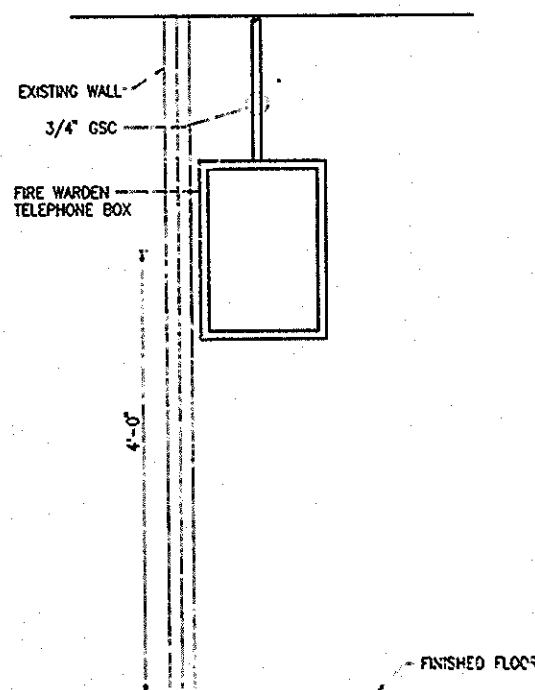
**PULL STATION  
MOUNTING DETAIL "E"**



**TYPICAL ENCLOSURE GROUND  
STUD DETAIL "F"**



**TRI (TRI-B6D) BOX  
DETAIL "I" (SEE NOTE 8)**



**WARDEN PHONE  
MOUNTING DETAIL "J"**

- NOTES:**
1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DWG E-1.
  2. INSULATE SHIELD & DRAIN WIRE AS SHOWN ON TYPICAL SHIELD/DRAIN INSULATING METHOD SHOWN ON DRAWING E-35.
  3. INSTALL THE FIRE ALARM DEVICE AT 8' ABOVE FINISHED FLOOR.
  4. CIRCUIT NOTATION FOLLOWED BY AN \* IS SHOWN FOR ILLUSTRATION ONLY. SEE RISER DIAGRAM(S) FOR ACTUAL CIRCUIT IDENTIFICATION.
  5. SHIELD MUST BE CONTINUOUS AND INSULATED FROM BOXES, CONDUITS, ETC.
  6. FURNISH AND INSTALL PANDUIT MODEL #PN10-6F-D CONNECTORS FOR CONNECTION OF POWER SUPPLY WIRING.
  7. 2"x1" NAMEPLATES SHALL BE LAMINATED PLASTIC, 1/4" WHITE LETTERS ON BLACK BACKGROUND WITH BEVELED EDGES ENGRAVED AS SHOWN.
  8. DETAIL "I" DOES NOT REPRESENT ALL FIELD CONDITIONS. SEE PLANS FOR ACTUAL NUMBER OF DEVICES AND CONDUIT PENETRATIONS.

**THE PORT AUTHORITY  
OF NEW YORK AND NEW JERSEY**

ENGINEERING PROGRAM MANAGER  
WORLD TRADE  
CENTER  
CHIEF ELECTRICAL ENGINEER

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF THE CONTRACT NO. 100-157 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.  
DATE 12/10/99  
DATE 12/10/99  
CONTRACT ENGINEER/ARCH.  
ENGINEERING PROGRAM MGR.

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD  
TRADE  
CENTER

ELECTRICAL

Title  
FIRE ALARM SYSTEM  
PHASE III  
5 WTC MER'S, EMR'S  
AND SUBSTATIONS

TYPICAL DETAILS  
AND WIRING  
DIAGRAM  
SHEET 2

This drawing subject to conditions of Contract. Inventions, facts, designs and methods remain reserved to Port Authority and may not be used without its written consent.

FELDSTEIN ROYZMAN  
Designed by Drawn by Checked by

5-17-99  
Date

WTC-861.571 E-36  
Contract Number Drawing Number